

**The NRA review of  
CHLORFENVINPHOS**

**Interim Report**

**Volume II**

**December 2000**

**Existing Chemicals Review Program**

**Review Series 00.6**

**National Registration Authority  
for Agricultural and Veterinary Chemicals**

**Canberra  
Australia**

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## FOREWORD

The National Registration Authority for Agricultural and Veterinary Chemicals (NRA) is an independent statutory authority with responsibility for the regulation of agricultural and veterinary chemicals.

The NRA's Existing Chemicals Review Program (ECRP) systematically examines agricultural and veterinary chemicals registered in the past to determine whether they continue to meet current standards for registration. Chemicals for review are chosen according to pre-determined, publicly available selection criteria. Public participation is a key aspect of this program.

In undertaking reviews, the NRA works in close cooperation with advisory agencies including the Department of Health and Family Services (Chemicals and Non-Prescription Drug Branch), Environment Australia (Risk Assessment and Policy Section), National Occupational Health & Safety Commission (NOHSC) (Chemical Assessment Branch) and State Departments of Agriculture.

The NRA has a policy of encouraging openness and transparency in its activities and community involvement in decision-making. The publication of evaluation documents for all ECRP reviews is a part of that process.

The NRA also makes these reports available to the regulatory agencies of other countries as part of bilateral agreements or as part of the OECD *ad hoc* exchange program. Under the OECD program it has been proposed that countries receiving these reports will not utilise them for registration purposes unless they are also provided with the raw data from the relevant applicant.

This report provides full details of the review of fenitrothion that has been conducted by the NRA and its advisory agencies. The review's findings are based on information collected from a variety of sources, including data packages and information submitted by the registrant, information submitted by members of the public, questionnaires sent to key user/industry groups and government organisations, and literature searches.

The information and technical data required by the NRA to review the safety of both new and existing chemical products must be derived according to accepted scientific principles, as must the methods of assessment undertaken. Details of required data are outlined in various NRA publications.

The NRA welcomes comment on the review program. They can be addressed to Manager, Chemical Review, National Registration Authority for Agricultural and Veterinary Chemical, PO Box E240, Kingston ACT 2604, Australia.

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INTERIM REPORT

## ABBREVIATIONS AND ACRONYMS

µg	microgram	mg/kg bw/day	milligram per kilogram of bodyweight per day
m	metre	min	minute
ai	active ingredient	mg	milligram
h	hour	mL	millilitre
ha	hectare	D	day
kg	kilogram	IM	intramuscular
L	litre	IV	intravenous
bw	bodyweight	PO	oral
m <sup>2</sup>	square metre	SC	subcutaneous
sec	second	ppm	parts per million
<b>AAVCC</b>	Australian Agricultural and Veterinary Chemicals Council	<b>LD<sub>50</sub></b>	dosage of chemical that kills 50% of the test population of organisms
<b>ACPH</b>	Advisory committee on Pesticides and Health	<b>LOEL</b>	lowest observable effect level
<b>ADI</b>	acceptable daily intake (for humans)	<b>MAFF</b>	Ministry of Agriculture, Fisheries and Food
<b>ChE</b>	cholinesterase	<b>MATC</b>	mean acceptable toxicant concentration
<b>DHAC</b>	Department of Health and Aged Care	<b>MCH</b>	mean corpuscular haemoglobin
<b>EC</b>	emulsifiable concentrate	<b>MCHC</b>	mean corpuscular haemoglobin concentration
<b>EC<sub>50</sub></b>	concentration at which 50% of the test population are affected	<b>MCV</b>	mean corpuscular volume
<b>ECRP</b>	Existing Chemicals Review Program	<b>ME</b>	micro-encapsulated
<b>EEC</b>	estimated environmental concentration	<b>POEM</b>	predicted operator exposure model
<b>EUP</b>	end use product	<b>PPE</b>	personal protective equipment
<b>GAP</b>	good agricultural practice	<b>PQ</b>	performance questionnaire
<b>GLP</b>	good laboratory practice	<b>TGAC</b>	technical grade active constituent
<b>HPLC</b>	high performance liquid chromatography	<b>USEPA</b>	US Environmental Protection Agency
<b>IPM</b>	integrated pest management	<b>WHP</b>	withholding period
<b>LC<sub>50</sub></b>	concentration that kills 50% of the test population of organisms		